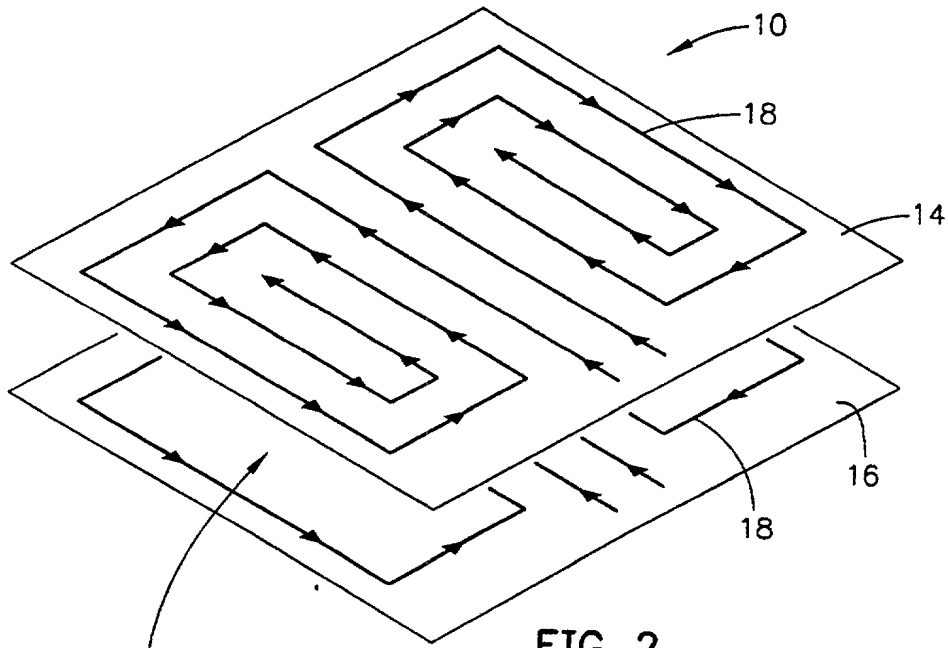


FIG. 1

TOP SECRET



MR sensor in low-field region between current sheets.

FIG. 2

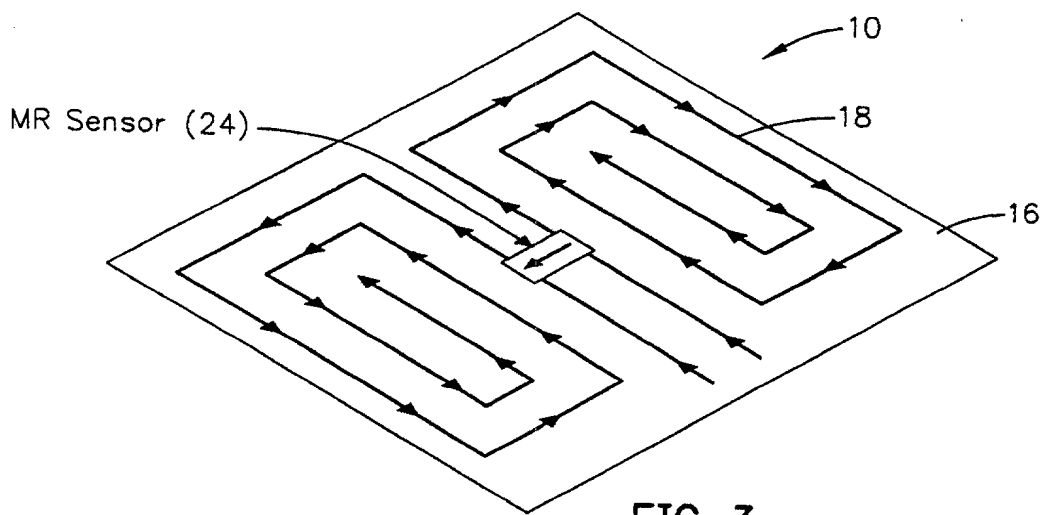


FIG. 3

Magnetoresistive
Sensor Orientation
That is Perpendicular
to the Plane of
Current Flow

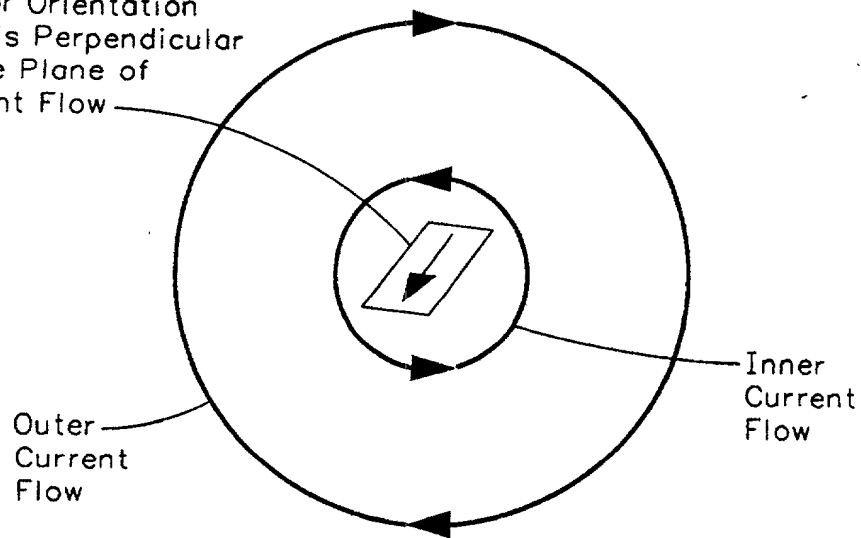


FIG. 4

35

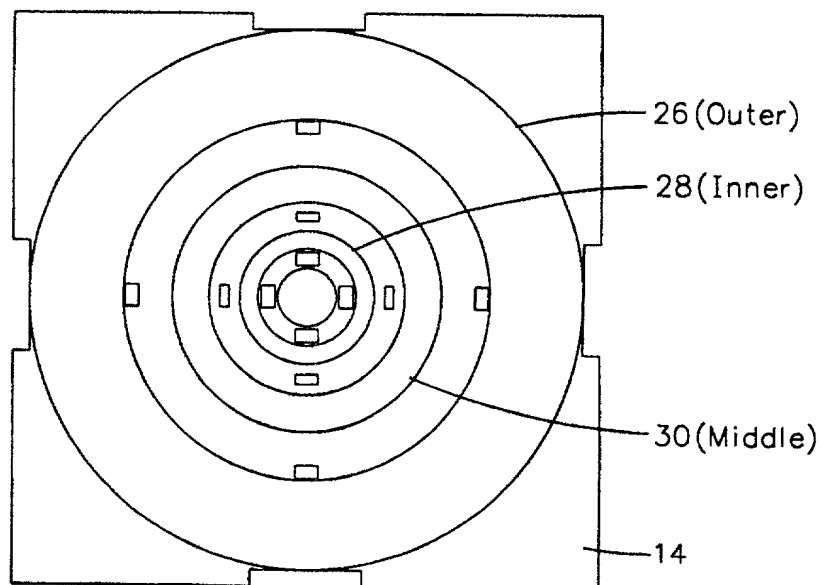
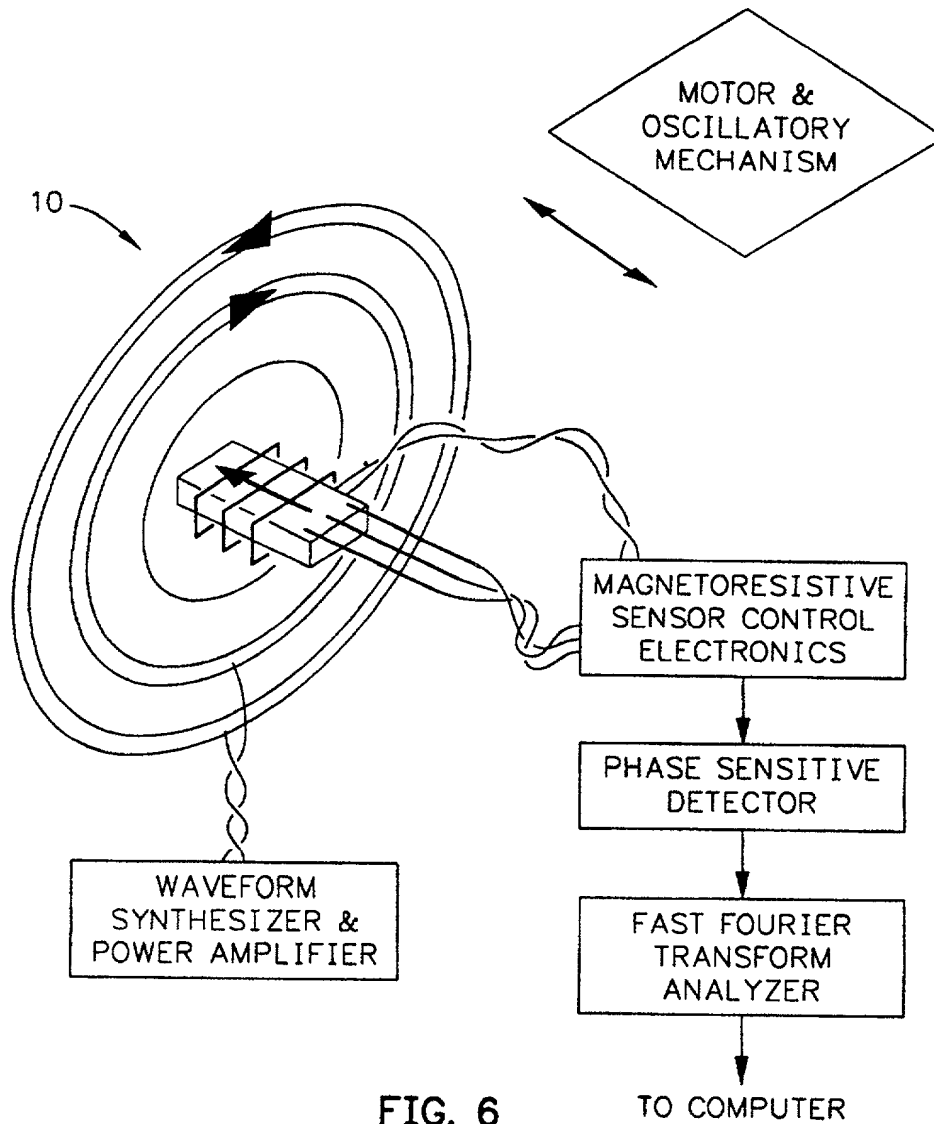


FIG. 5



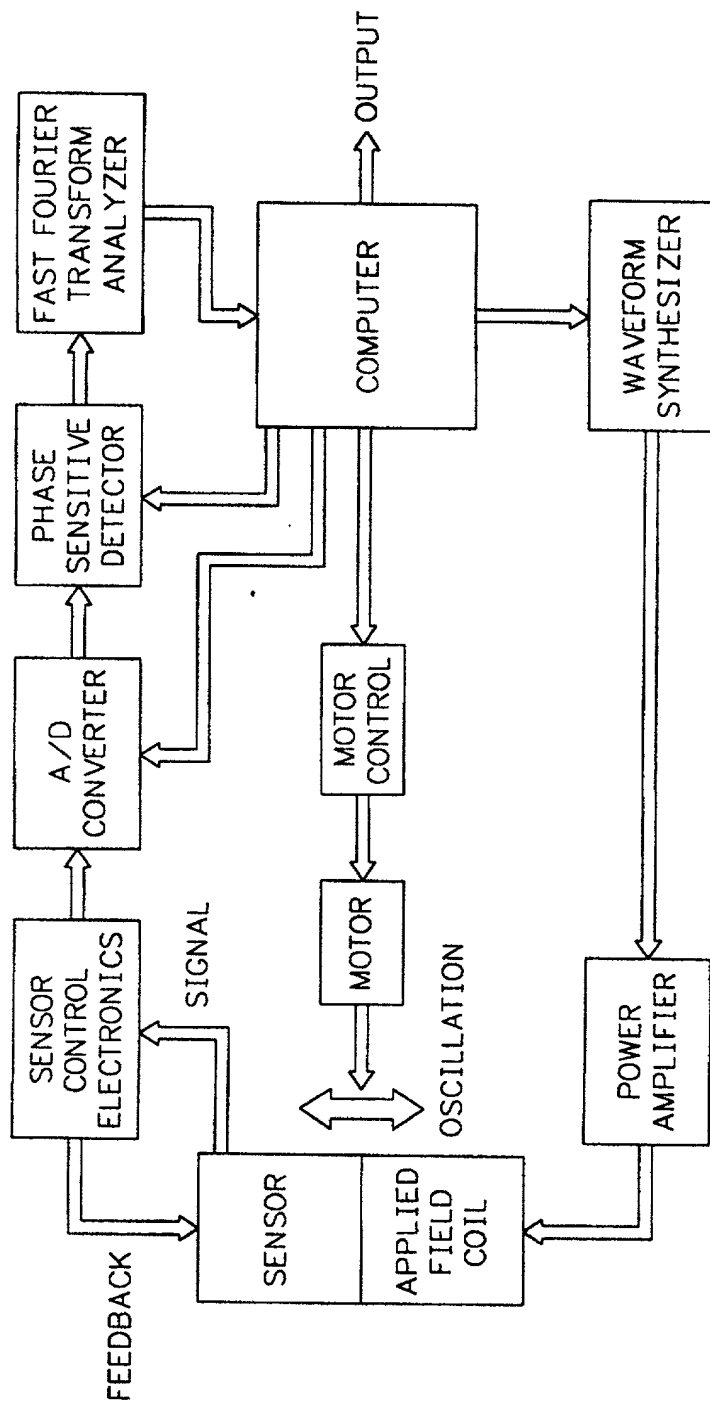


FIG. 7

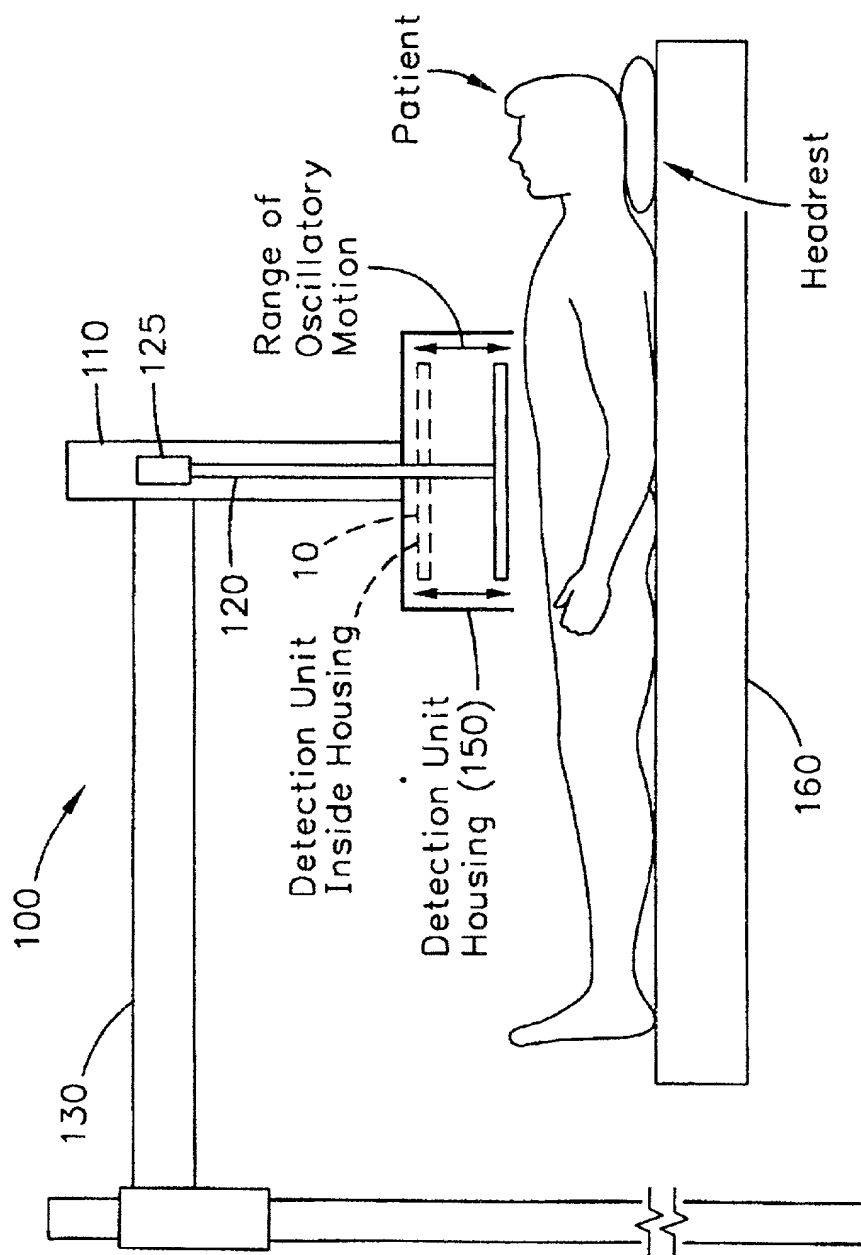


FIG. 8

1001791001

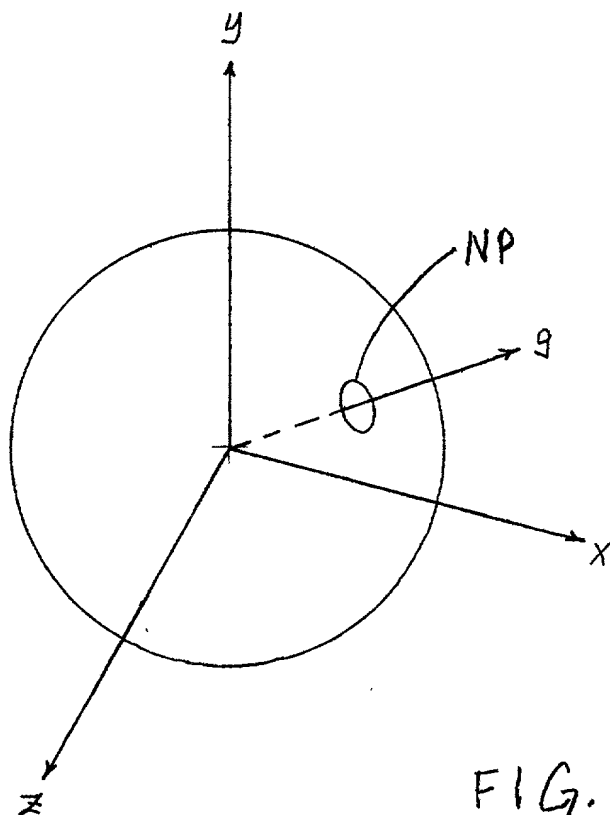


FIG. 9